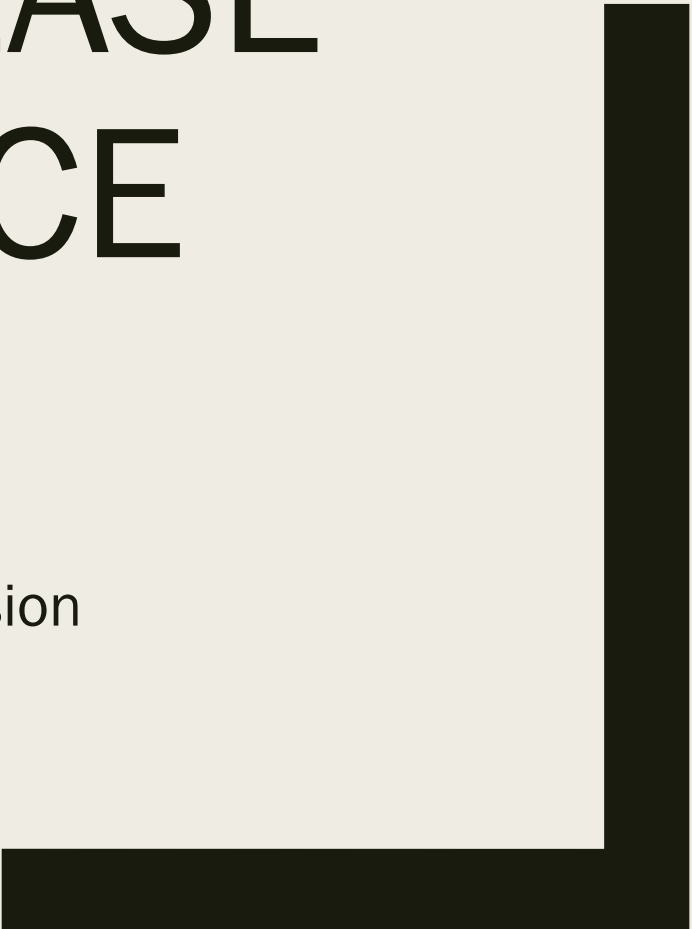




# CHRONIC DISEASE SURVEILLANCE PROJECTS

Utah Digital Health Service Commission

05/02/2019



# Public Health Chronic Disease Surveillance

- Historically relied on self reported survey data
  - Annual BRFSS phone survey
  - Has questions like “Has your doctor ever diagnosed you with hypertension?”
  - No way to know true burden of uncontrolled hypertension or undiagnosed hypertension from the self-report survey data
- Most health systems have EHRs, which now allows for public health to be able to collect data clinical data on chronic diseases
- Past few years the UDOH - Bureau of Health Promotion done several projects to evaluate clinical EHR data for public health chronic disease surveillance

# EHR Data – Chronic Disease Surveillance Pilot Projects

- Revere Health – UHIN/CHIE
- Tanner Clinic – UHIN/CHIE
- Canyon View Medical Group – UHIN/CHIE
- PCORnet University of Utah
- PCORnet Intermountain Healthcare
- PCORnet Surveillance Project

# EHR Data – Chronic Disease Surveillance Pilot Projects

- Revere Health – UHIN/CHIE
  - Tanner Clinic – UHIN/CHIE
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## Purpose

- Compare quality and concordance of EHR data to what is captured in UHIN/CHIE for specific chronic diseases
- Evaluate ability to use UHIN/CHIE data for public health chronic disease surveillance
- Build data sharing relationships with health systems and UHIN

# EHR Data – Chronic Disease Surveillance Pilot Projects

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## Purpose

- Evaluate PCORnet data model for public health chronic disease surveillance
- Look at PCORnet data model or similar data model for recommendation to UHIN to capture data for public health chronic disease surveillance
- Utilize clinical data from PCORnet to establish a statewide hypertension baseline

# EHR Data – Chronic Disease Surveillance Pilot Projects

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## Purpose

- Evaluate PCORnet for comprehensive hypertension surveillance
- Access prevalence rates of uncontrolled, undiagnosed, and medication non-adherence in patient populations with hypertension
- Helping to build a working relationship between public health and primary care on chronic disease surveillance

# UDOH-BHP Chronic Disease Clinical Data Team

- Angela Dunn – State Epidemiologist
- Michael Friedrichs – Epidemiology Manager Bureau of Health Promotion
- John Stuligross – Health Systems Coordinate/Project Manager
- Shelly Wagstaff – Epidemiologist
- Theron Jeppson – Health Informaticist

# Questions